

AN - 2002-170439 [22]

AP - RU20000101019 20000117

CPY - FERM-R

DC - B04 C06 D13 D16 D18

FS - CPI

IC - C12N1/20 ; C12N9/56

IN - CHERNOGLAZOV V M; KOSTYLEVA E V; NEFEDOVA L I; OKUNEV O N; SINITSYN A P; TSURIKOVA N V; VOEIKOVA T A

MC - B04-F10B1 C04-F10B D05-H04

PA - (FERM-R) FERMTEK SCI PRODN CO LTD

PN - RU2177994 C2 20020110 DW200222 C12N1/20 000pp

PR - RU20000101019-20000117

XA - C2002-052557

XIC - C12N-001/20 ; C12N-009/56 ; (C12N-009/56 C12R-001/10)

AB - RU2177994 NOVELTY - Strain *Bacillus licheniformis*-99 is obtained by

multistep genetic selection using ultraviolet irradiation with simultaneous effect by chemical mutagens. The strain is deposited in All-Russian collection of microorganisms at Institute of biochemistry and physiology of microorganisms named for G. K. Skryabin RAS at number VKM B-2220 D. For growth of culture and biosynthesis of keratinase starch, hydrolyzed starch, corn, soybean or any other cereal flour or their extracts and yeast cells, peptone, yeast extract, casein, feather flour, urea and ammonium nitrogen can be used as the source of carbon and nitrogen. The strain shows high keratinolytic activity that ensures to prepare high-active keratinase preparations. Invention can be used in aviculture and animal husbandry, in leather and food industry also.

• USE - Biotechnology, microbiology, biochemistry.

• ADVANTAGE - Strain indicated above, high activity of keratinase. 1

tbl, 2 ex

• (Dwg.0/0)

C - C12N9/56 C12R1/10

IW - STRAIN BACTERIUM BACILLUS LICHENIFORMIS PRODUCE KERATINASE

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INW - CHERNOGLAZOV V M; KOSTYLEVA E V; NEFEDOVA L I; OKUNEV O N; SINITSYN A

P; TSURIKOVA N V; VOEIKOVA T A

NC - 001

OPD - 2000-01-17

ORD - 2002-01-10

PAW - (FERM-R) FERMTEK SCI PRODN CO LTD

T1 - Strain of bacterium *bacillus licheniformis* as producer of keratinase